



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Weather Shield Manufacturing, Inc.
One Weather Shield Plaza (P.O. Box 309)
Medford, WI 54451-0309

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Legacy Direct Set" Aluminum Clad Wood Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1072, titled "Legacy Aluminum Clad Wood Direct Set Impact Window", sheets 1 through 4 of 4, dated 03/15/02, with revision D1 dated 09/17/12, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 12-0919.06 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



Handwritten signature and date: 6/10/14

NOA No. 14-0424.13
Expiration Date: February 13, 2018
Approval Date: June 19, 2014
Page 1

Weather Shield Manufacturing, Inc.

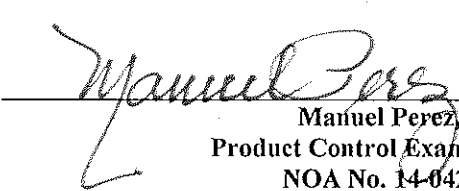
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. 1072, titled "Legacy Aluminum Clad Wood Direct Set Impact Window", sheets 1 through 4 of 4, dated 03/15/02, with revision D1 dated 09/17/12, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
(Submitted under previous NOA #12-0919.06)

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum clad wood direct set window, prepared by Stork Twin City Testing Corporation, Test Report No. TCTC-180-6891, dated 12/07/04, signed and sealed by Thomas Allan Kolden, P.E.
(Submitted under NOA No. 05-0420.03)
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum clad wood fixed casement window, prepared by Hurricane Test Laboratory, LLC, Test Reports No. HTL 0037-0111-02, and HTL 0037-0203-01, dated 01/08/01 and 02/06/01, both signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 02-1018.09)
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum clad wood fixed casement window, prepared by Hurricane Test Laboratory, LLC, Test Reports No. HTL 0037-0412-01, HTL 0037-0714-01, HTL 0037-0416-01, HTL 0037-0418-01 and HTL 0037-0411-01, dated 04/12, 04/16, 04/23, 07/17/01 and 04/10/02, all signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 02-1018.09)


Manuel Perez, P.E.
Product Control Examiner
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C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated 03/13/02, 02/07/08 and 09/17/12, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
(Submitted under NOA #07-1203.11)
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

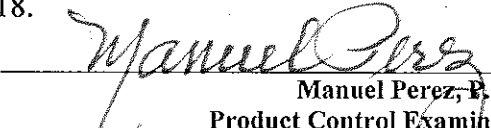
1. Notice of Acceptance No. 11-0624.02 issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. 12-1231.10 issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/28/13, expiring on 05/21/16.
3. Notice of Acceptance No. 12-1231.09 issued to **Eastman Chemical Company (MA)** for their "**Saflex HP Clear or Color Glass Interlayers**" dated 03/28/13, expiring on 04/14/18.

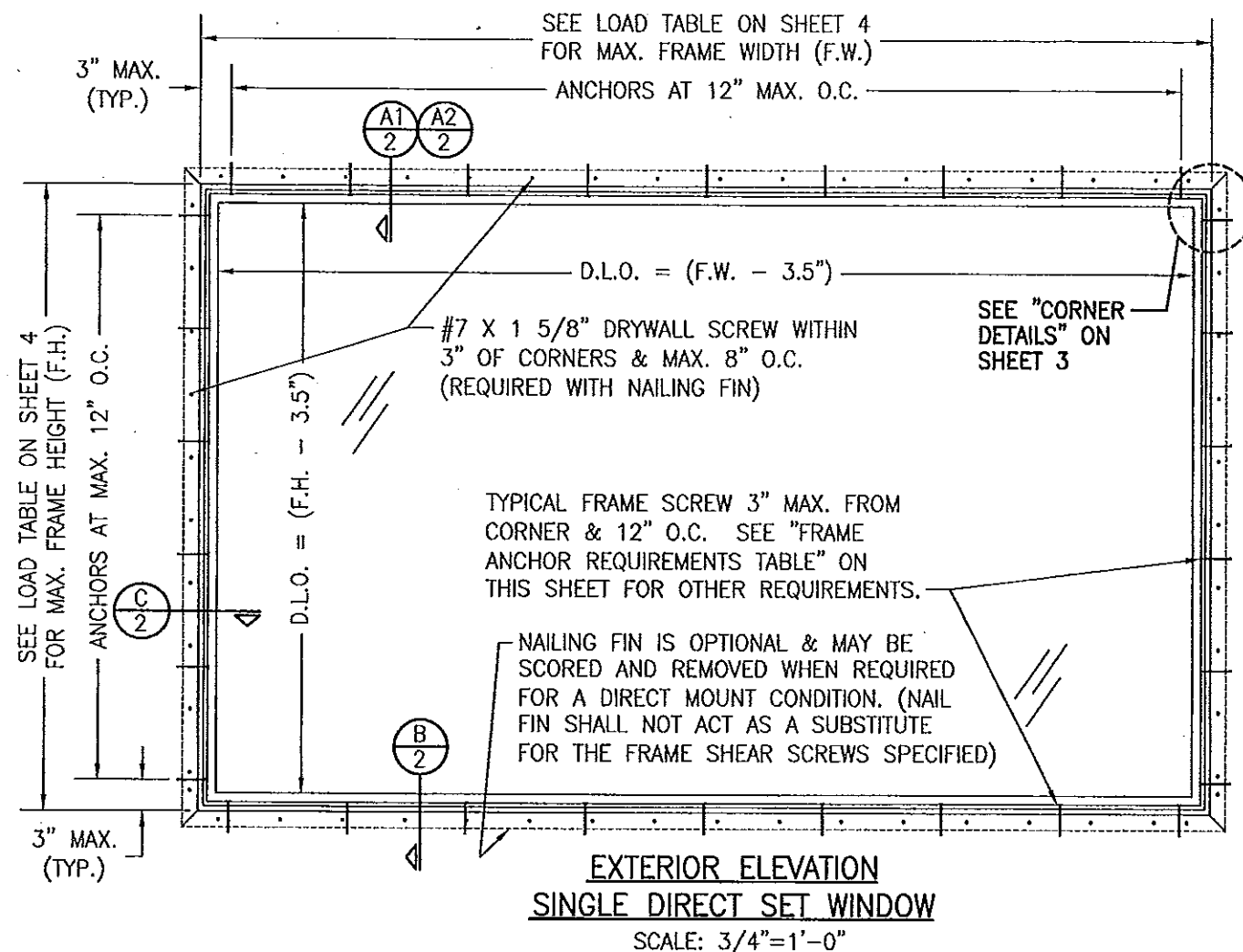
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-2010** and **FBC 5th Edition (2014)**, dated April 10, 2014, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated September 17, 2012, signed and sealed by Warren W. Schaefer, P.E.
(Submitted under previous NOA #12-0919.06)
3. Laboratory compliance letters for Test Report No. **TCTC-180-6892**, issued by Stork Twin City Testing Corporation, dated 12/07/04, signed and sealed by Thomas Allan Kolden, P.E.
(Submitted under NOA No. 05-0420.03)
4. Laboratory compliance letters for Test Reports No. **HTL 0037-0205-01** and **HTL 0037-0106-02**, issued by Hurricane Test Laboratory, LLC, dated 01/08/01 and 02/07/01, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 02-1018.09)

G. OTHERS

1. Notice of Acceptance No. **12-0919.06**, issued to Weather Shield Manufacturing, Inc. for their Series "Legacy" Direct Set Aluminum Clad Wood Fixed Window – L.M.I., approved on 12/27/12 and expiring on 02/13/18.

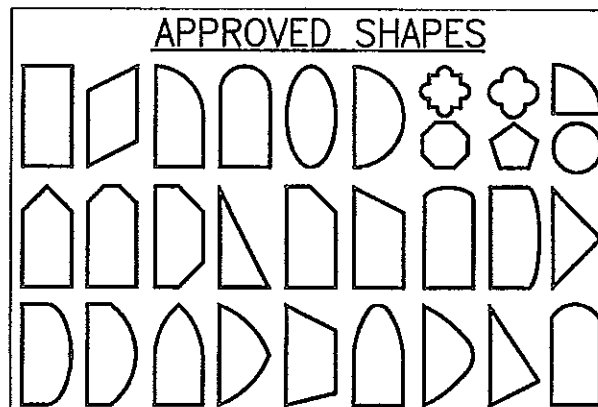

Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0424.13
Expiration Date: February 13, 2018
Approval Date: June 19, 2014



EXTERIOR ELEVATION
SINGLE DIRECT SET WINDOW
SCALE: 3/4"=1'-0"

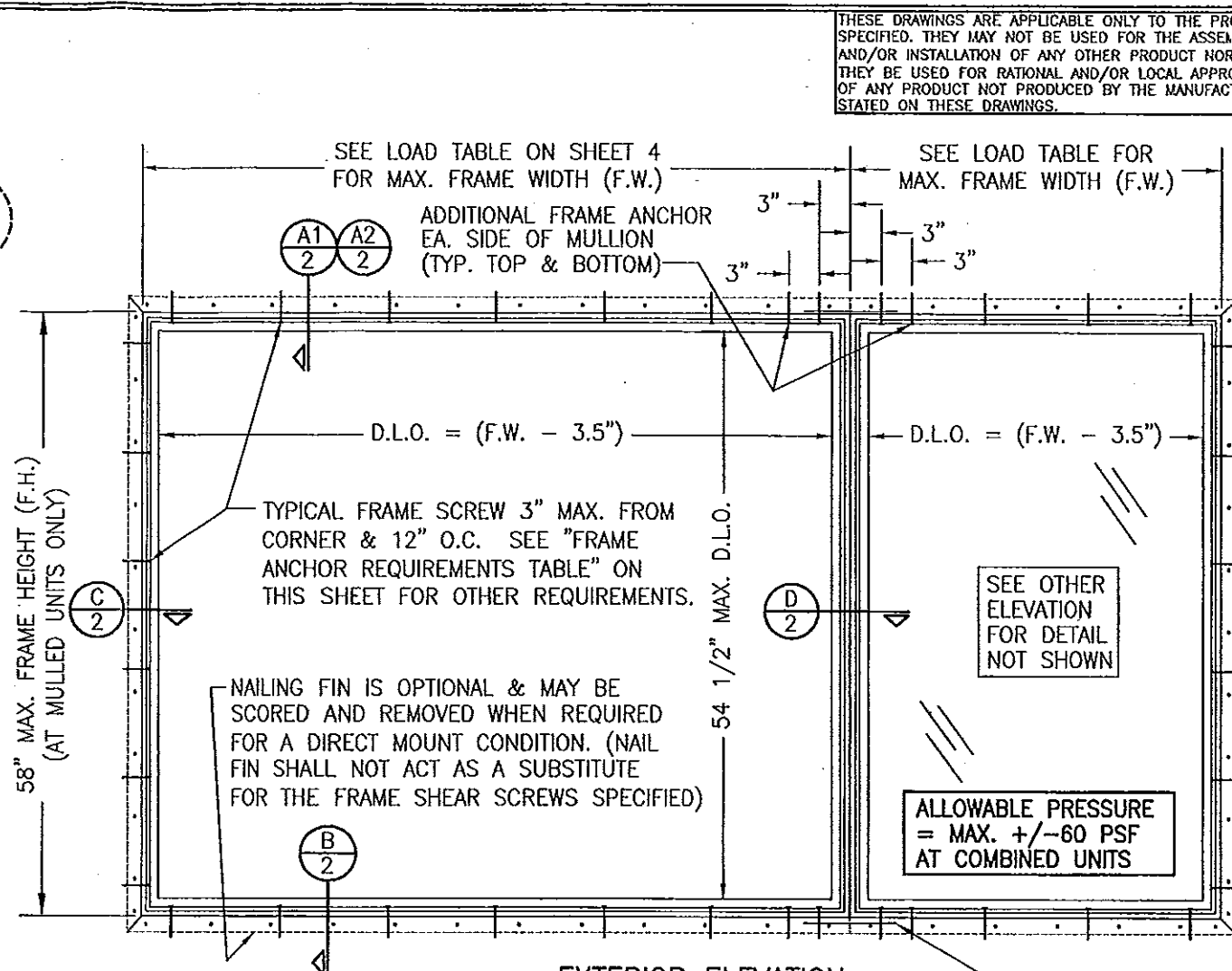
GENERAL NOTES:

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
11. ALL WOOD MEMBERS OF WINDOWS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.



NOTES:

1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & HAVE CORNER CONSTRUCTION PER CORNER DETAILS.
2. ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF THE RESPECTIVE RECTANGULAR UNIT.
3. SHAPED WINDOWS ARE INSTALLED THE SAME AS THE RECTANGULAR WINDOWS SHOWN IN ELEVATION. SEE SECTIONS & CORNER DETAILS FOR DETAIL SPECIFIC TO SHAPED WINDOWS.



EXTERIOR ELEVATION
MULTIPLE DIRECT SET WINDOWS
(MAX. FOUR UNITS MAY BE COMBINED)
SCALE: 3/4"=1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0424.13
Expiration Date Feb 13, 2018
By *Manuel Jerez*
Miami Dade Product Control

FOR ALLOWABLE DESIGN WIND PRESSURE
ON SINGLE WINDOWS, SEE LOAD TABLE
ON SHEET 4.

MULTIPLE UNIT NOTES:

1. THE MAXIMUM ALLOWABLE PRESSURE FOR A COMBINED UNIT IS RESTRICTED BY THE LESSER OF THE INDIVIDUAL WINDOW ALLOWABLE PRESSURE OR ± 60 PSF UNLESS A CLIPPED MULLION IS USED PER WEATHER SHIELD'S MULLION APPROVAL.
2. FOR CLIPPED MULLION COMBINATIONS, SEE DRAWINGS NO. M96-05 & M96-06 UNDER SEPERATE APPROVAL.
3. INDIVIDUAL WINDOW SIZE IS RESTRICTED ONLY BY MULLION HEIGHT OF 58".

PRODUCT REVISED
as complying with the Florida
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Expiration Date Feb 13, 2018
By *Manuel Jerez*
Miami Dade Product Control

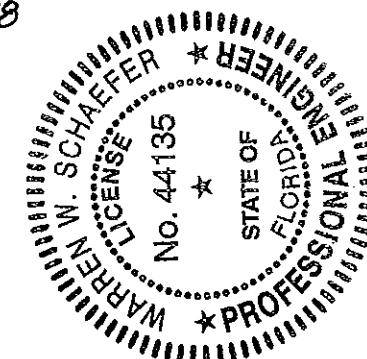
FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS SCREW	1 3/8"	1"
MIN. C-90 CMU OR 2500 PSI CONCRETE	3/16" CONCR. SCREW	1 1/4"	2"

CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

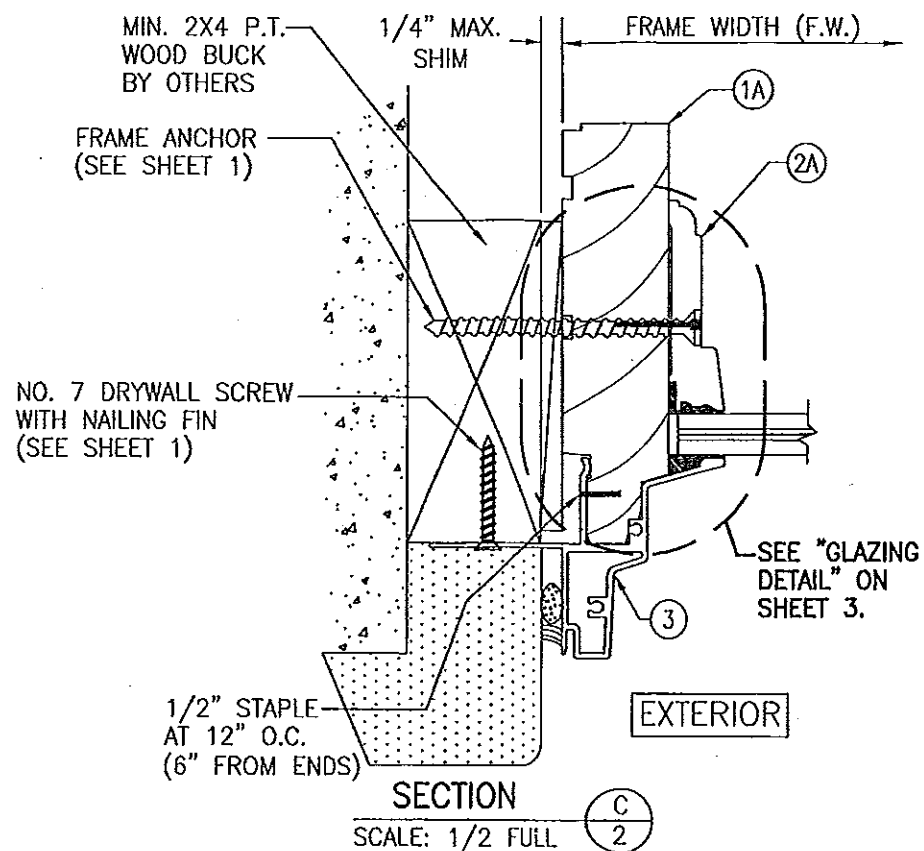
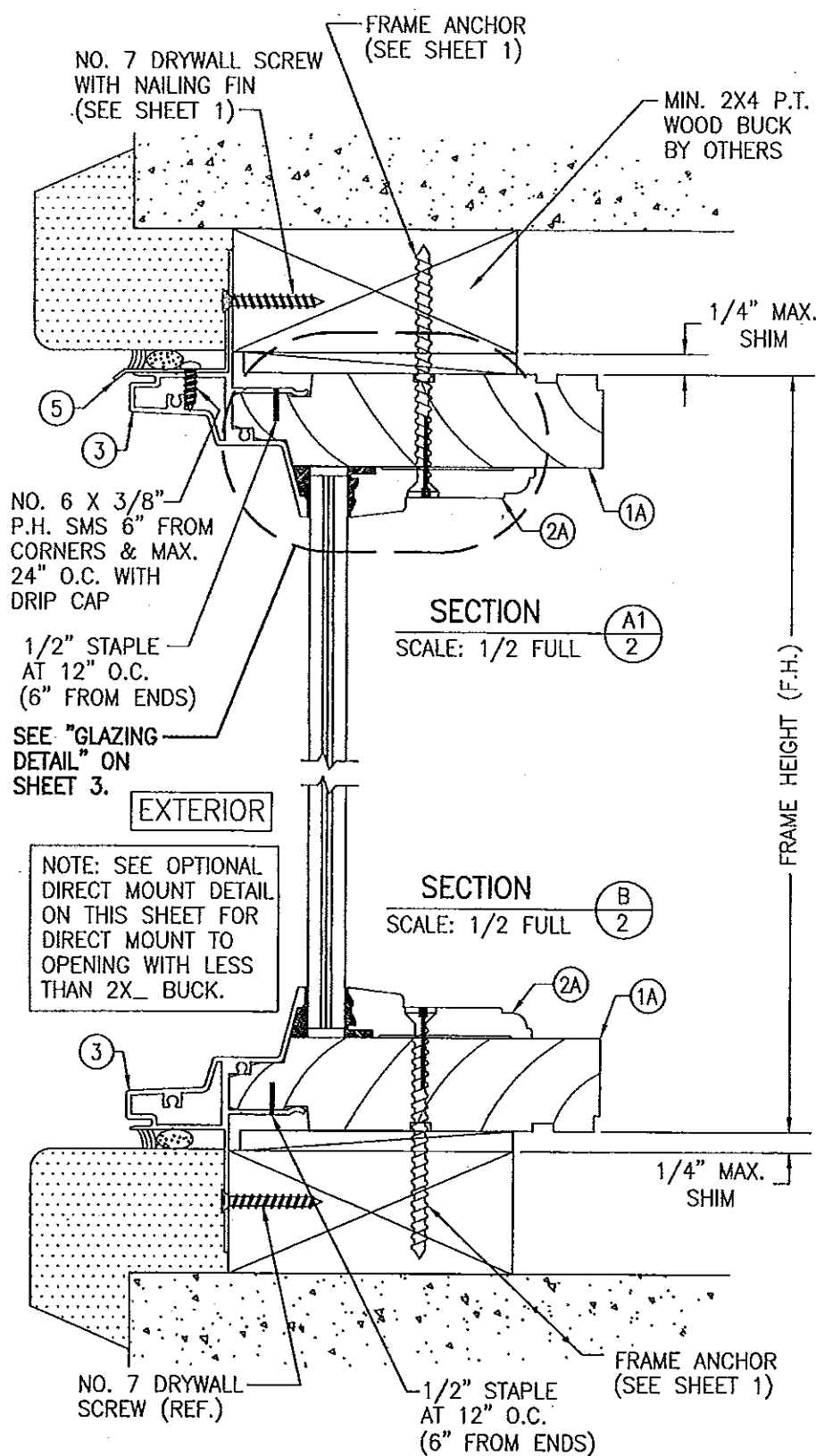
THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY:		CHECKED BY:	
J.C.F.		W.W.S.	
PLOT:		DATE:	
1-16		03/15/02	
NO.	REVISION	DESCRIPTION	DATE
A1	ADDITIONAL FRAME ANCHOR	EA. SIDE OF MULLION (TYP. TOP & BOTTOM)	11/02/11
A2	UPDATE LOAD TABLES TO ASTM		
	E1,300-02		
B1	UPDATE GENERAL NOTES		02/07/08
C1	UPDATE TO CURRENT STANDARDS		11/02/11
D1	UPDATE GLASS INNER LAYERS		08/17/12

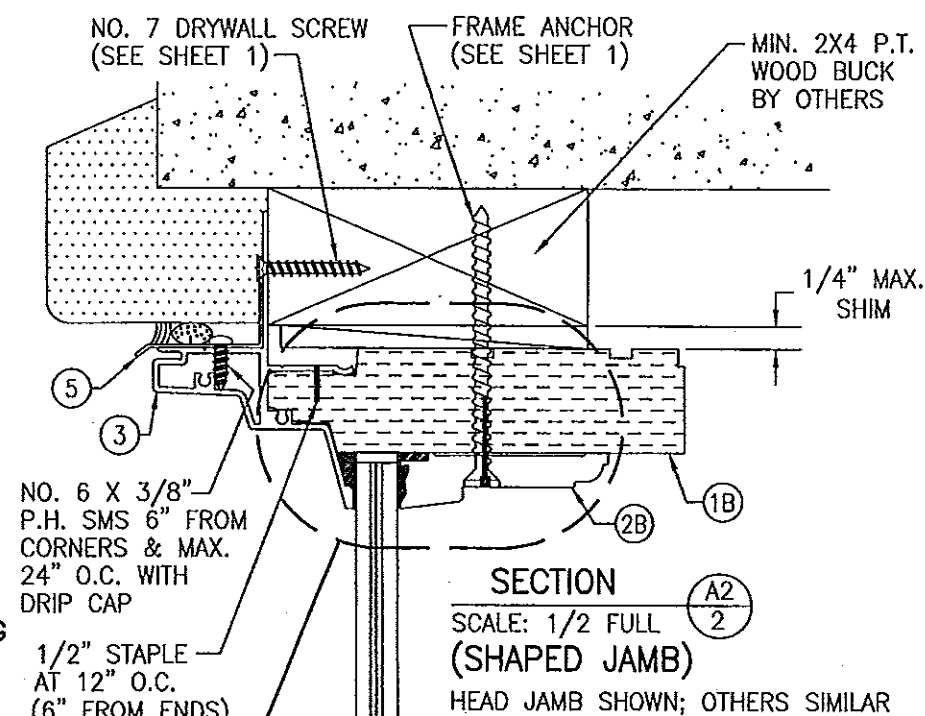
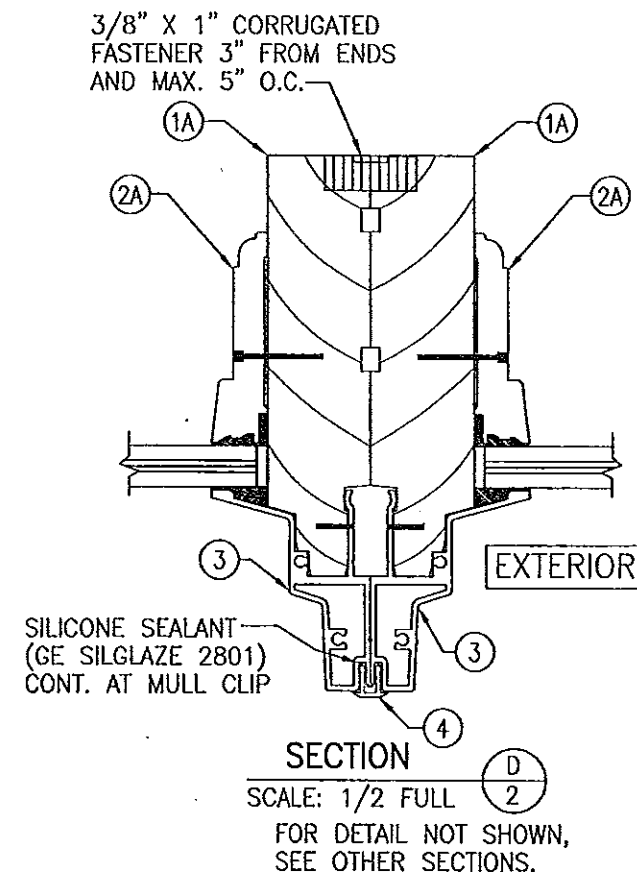
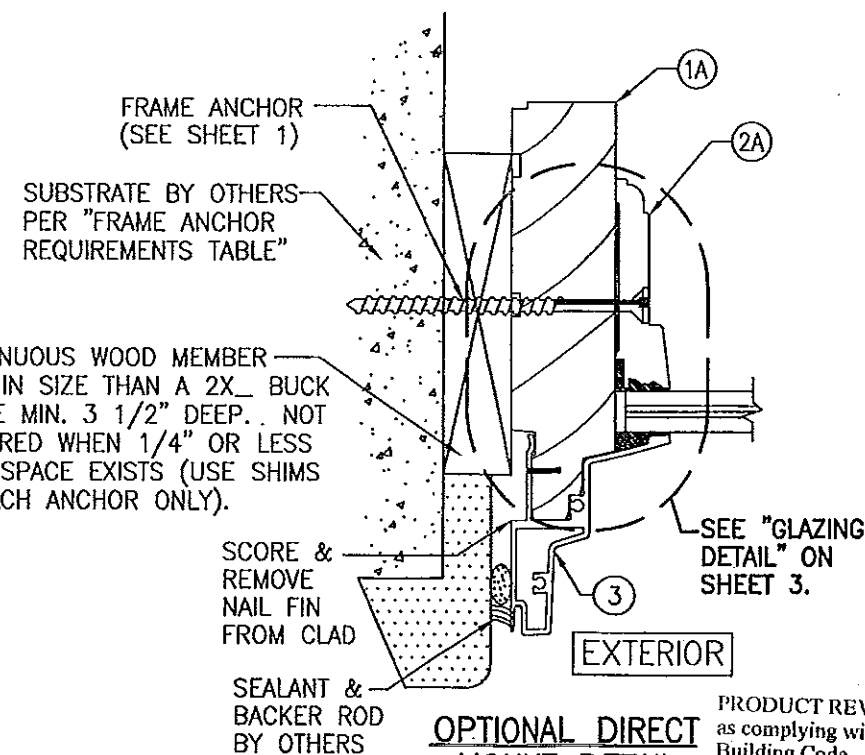
DRAWING TITLE	
LEGACY ALUMINUM CLAD WOOD DIRECT SET IMPACT WINDOW	
MANUFACTURER	
WEATHER SHIELD WINDOWS & DOORS	
ONE WEATHER SHIELD PLAZA	
MEDFORD, WI 54451	
715-748-6555	
CONSULTANTS	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	
7480 150TH COURT NORTH	
PALM BEACH GARDENS, FL 33418	
PHONE: 561-744-3424	



CERTIFICATION	
SEP 17 2012	
DRAWING NO.	
1072	
REV.	
D	
SHEET NO.	
1 OF 4	



NOTE: SEE OPTIONAL DIRECT MOUNT DETAIL ON THIS SHEET FOR DIRECT MOUNT TO OPENING WITH LESS THAN 2X₄ BUCK

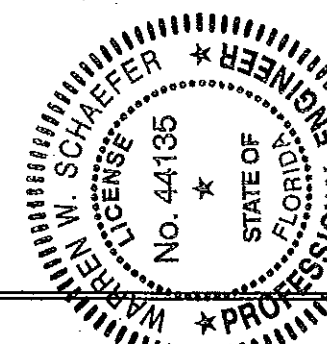


PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 14-0024.13 Expiration Date Feb 13, 2018

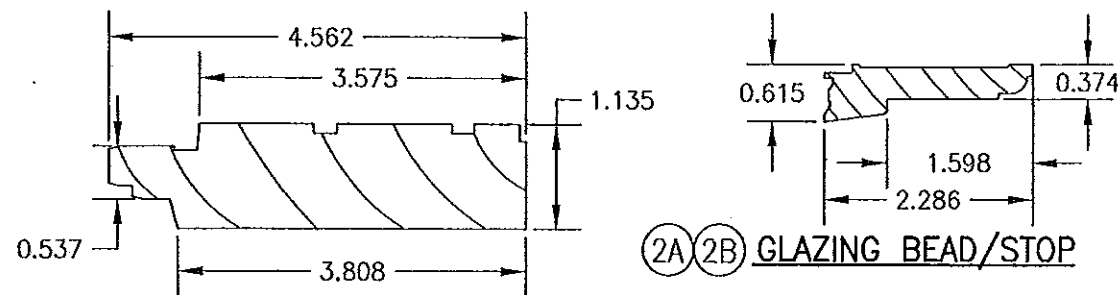
By *Manuel Perez* Miami Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 12-0919.06 Expiration Date Feb 13, 2018

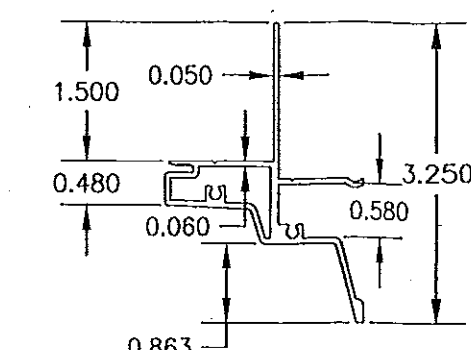
By *Manuel Perez* Miami Dade Product Control



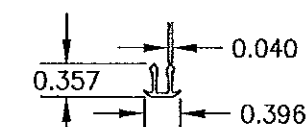
DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 03/15/02	
NO.	DATE	BY	REVISION DESCRIPTION
DRAWING TITLE: LEGACY ALUMINUM CLAD WOOD DIRECT SET IMPACT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION: SEP 17 2012		P.E. NO. 44135	
DRAWING NO. 1072		REV. D	
SHEET NO. 2		OF 4	



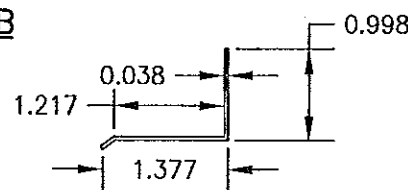
(1A)(1B) HEAD, SILL & SIDE JAMB



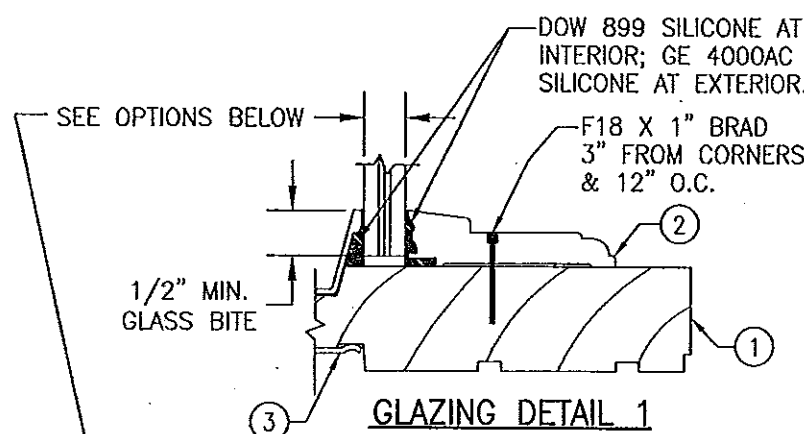
(3) JAMB CLAD (LEGACY)



(4) MULLION CLIP



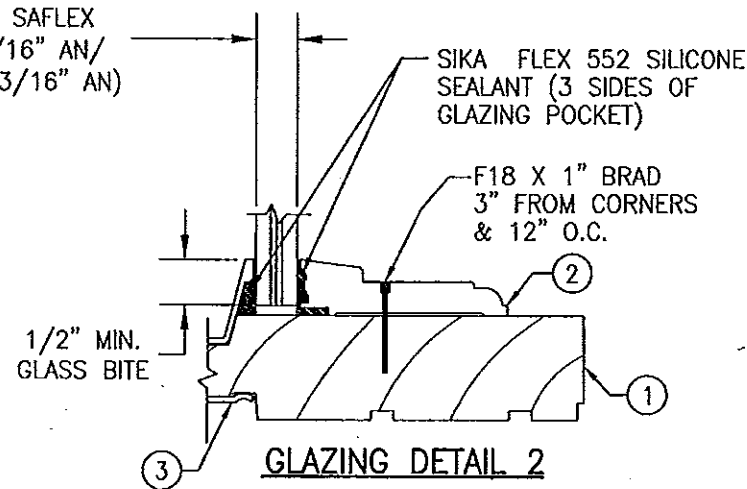
(5) DRIP CAP



GLAZING DETAIL 1

OPTION 1) 9/16" DUPONT SG LAMINATED GLASS (1/4" H.S./0.090" DUPONT SG/1/4" H.S.)
 OPTION 2) 9/16" SOLUTIA SAFLEX HP LAMINATED GLASS (1/4" H.S./0.10 SAFLEX HP/ 1/4" H.S.)

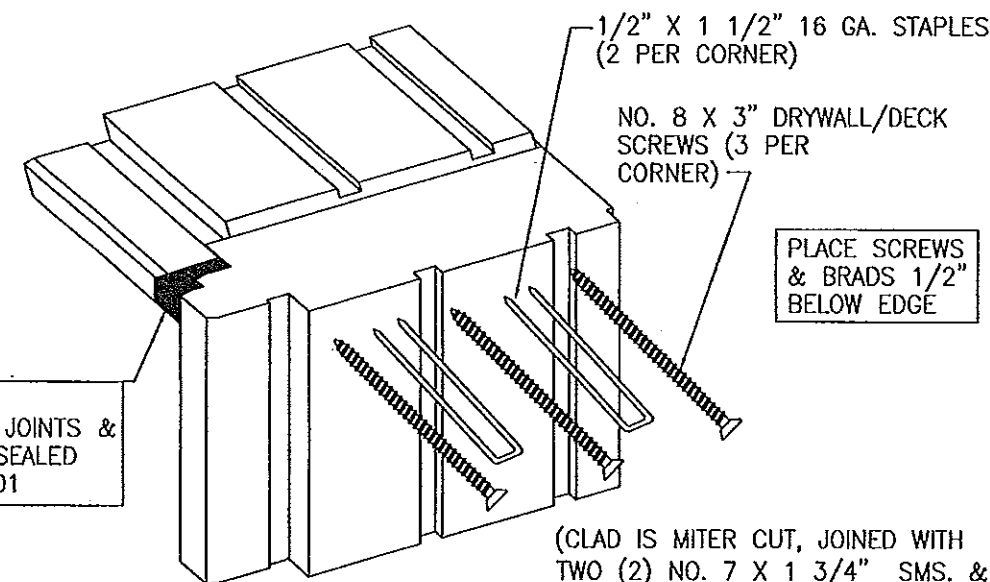
GLAZING OPTION 3:
 7/16" THK. SOLUTIA SAFLEX
 LAMINATED GLASS (3/16" AN/
 0.09 SOLUTIA SAFLEX/3/16" AN)



GLAZING DETAIL 2

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1A	W-4000X	4	HEAD, SILL & SIDE JAMB	* WOOD	WEATHER SHIELD
1B	W-4000X	4	HEAD, SILL & SIDE JAMB	* LVL	WEATHER SHIELD
2A	W-4001X	4	GLAZING BEAD/STOP	* WOOD	WEATHER SHIELD
2B	W-4001X	4	GLAZING BEAD/STOP	* LVL	WEATHER SHIELD
3	A-4508X	4	JAMB CLAD (LEGACY)	6063-T5 ALUMINUM	WEATHER SHIELD
4	A-1609X	1	LEGACY MULL CAP	6063-T5 ALUMINUM	WEATHER SHIELD
5	A-2581X	1	DRIP CAP (OPTIONAL)	6063-T5 ALUMINUM	WEATHER SHIELD

* WOOD USED IN TESTING WAS WESTERN PINE. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY WEATHER SHIELD TO SELECT.



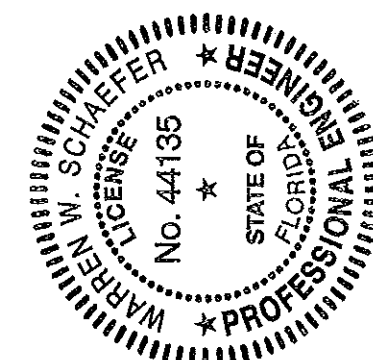
FRAME CORNER DETAIL

RECTANGULAR WINDOW CORNER SHOWN. SHAPED TO STRAIGHT JAMB CORNER IS THE SAME. EXTENDED LEG JAMBS ARE CONTINUOUS AND HAVE NO SEAM AT THE SPRINGLINE EXCEPT FOR A SPLICE IN THE GLAZING STOP.

SEALANT:
 ALL FRAME CORNERS, JOINTS &
 EXTERIOR MULL CLIP SEALED
 WITH GE SILGLAZE 2801

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 Miami Dade Product Control

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 17-0919.06
 Expiration Date Feb 13, 2018
 By Manuel Perez
 Miami Dade Product Control



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/15/02	
DATE	BY	REVISION	DESCRIPTION
DRAWING TITLE: LEGACY ALUMINUM CLAD WOOD DIRECT SET IMPACT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION: SEP 17 2012		DRAWING NO. 1072	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135		REV. D	
SHEET NO. 3		OF 4	

